

**Higher IGCSE (9 – 1) Revision Pack**

**Change of Subject of Formulae**

**Name --------------------------------**

**Questions**


**Q1.**

Make *x* the subject of *y* =

...........................................................

**(Total for Question is 4 marks)**

**Q2.**

Make *r* the subject of the formula   *A* = 4π*r*2 where *r* is positive.

*r* = ...........................................................

**(Total for question = 2 marks)**

**Q3.**

Make *t* the subject of     5(*t* − *g*) = 2*t* + 7

...........................................................

**(Total for question = 3 marks)**

**Q4.**

Make *x* the subject of the formula

 ...........................................................

**(Total for question = 4 marks)**

**Q5.**

Make *x* the subject of the formula

 ...........................................................

**(Total for question = 4 marks)**

**Q6.**

Make *y* the subject of     3(*y* + 2*x* − 1) = *x* + 5*y*

*y* = ...........................................................

**(Total for question is 3 marks)**

**Q7.**

Make h the subject of the formula *A* = 2π*r*(*r* + *h*)

*h* = ...........................................................

**(Total for question = 2 marks)**

**Q8.**

Make *n* the subject of the formula

*n* = ...........................................................

**(Total for question = 4 marks)**

**Q9.**

Given that *y* is positive, make *y* the subject of *y* = 

Show clear algebraic working.

*y* = ...........................................................

**(Total for Question is 5 marks)**

**Q10.**

Make *r* the subject of the formula *A* = 4*r*2 − *πr*2 where *r* is positive.

*r* = ...........................................................

**(Total for Question is 3 marks)**

**Q11.**

Make *g* the subject of   3*e* + 4*g* = 7 + 9*eg*

 ...........................................................

**(Total for question = 3 marks)**

**Q12.**

Make *t* the subject of the formula

...........................................................

**(Total for question = 4 marks)**

**Q13.**

Make *e* the subject of

 ...........................................................

**(Total for question = 4 marks)**

**Q14.**

Make *y* the subject of = 3

Show your working clearly and give your answer as simply as possible.

*y* = ...........................................................

**(Total for question = 5 marks)**

**Q15.**

Make *x* the subject of

 ...........................................................

**(Total for question = 4 marks)**

**Q16.**

Make *r* the subject of the formula *V* = π *r*2*h* where *r* is positive.

*r* = ...........................................................

**(2)**

**Q17.**



Make *q* the subject of the formula

*q* = ...........................................................

**(2)**

**End of questions**